

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A multi-tube fluorescent discharge lamp, comprising:
~~multiple number glass tubes of total tubes is N, which construct multiple glass tubes of different caliber in coaxial structure;~~
a total of N multiple number of glass tubes, each of different caliber and arranged in a coaxial structure within each other;
an isolator ~~[[is]]~~ near a ~~[[the]]~~ middle section of ~~[[the]]~~ an inner-most innermost first glass tube ~~extends and extending to~~ ~~[[the]]~~ an (N-1)th glass tube;
plural-numbered through-holes ~~[[are]]~~ near both sides of the isolator ~~on the~~ at odd-numbered glass tubes starting from the ~~inner-most innermost~~ first glass tube to the (N-1)th glass tube, and around ~~[[the]]~~ ends of ~~[[the]]~~ even-numbered glass tubes starting from ~~[[the]]~~ an inner second glass tube to ~~[[the]]~~ an (N-2)th glass tube;
a pair of cathodes ~~[[are]]~~ placed ~~[[in]]~~ at both ends of the ~~inner-most innermost~~ first glass tube;
phosphor ~~layer is layers~~ on ~~[[the]]~~ inner and outer surfaces of the glass tubes starting from the inner second glass tube to the (N-1)th glass tube, on the outer surface of the ~~inner-most innermost~~ first glass tube ~~[[,]]~~ and on the inner surface of the Nth glass tube; and
both ends of all glass tubes ~~[[are]]~~ being sealed ~~[[,]]~~ to form a succession of interconnected discharge chambers ~~[[,]]~~ provided ~~in the discharge chambers are~~ in a state of vacuum and ~~with Hg comprising mercury (Hg).~~

Claim 2-3 (canceled)

Claim 4 (currently amended): A multi-tube fluorescent discharge lamp, comprising:
~~multiple number glass tubes of total tubes is N, which construct multiple glass tubes of different caliber in coaxial structure;~~

a total of N multiple number of glass tubes, each of different caliber and arranged in a coaxial structure within each other;
an isolator ~~[[is]]~~ near ~~[[the]]~~ a middle section of ~~[[the]]~~ an innermost first glass tube ~~extends and extending to~~ ~~[[the]]~~ an (N-1)th glass tube;
plural-numbered through-holes ~~[[are]]~~ near both sides of the isolator ~~on the~~ at odd-numbered glass tubes starting from the ~~innermost innermost~~ first glass tube to the (N-2)th glass tube, and around ~~[[the]]~~ ends of the even-numbered glass tubes starting from ~~[[the]]~~ an inner second glass tube to ~~[[the]]~~ an (N-1)th glass tube;
a pair of cathodes ~~[[are]]~~ placed ~~[[in]]~~ at both ends of the ~~innermost innermost~~ first glass tube;
phosphor ~~layer is~~ layers on ~~[[the]]~~ inner and outer surfaces of the glass tubes starting from the ~~innermost innermost~~ first glass tube to the (N-1)th glass tube, and on the inner surface of the Nth glass tube; and
both ends of all glass tubes ~~[[are]]~~ being sealed ~~[[,]]~~ to form a succession of interconnected discharge chambers ~~[[,]]~~ ~~in the discharge chambers are~~ in a state of vacuum and ~~with Hg comprising mercury (Hg).~~

Claim 5-8 (canceled)

Claim 9 (currently amended): A multi-tube fluorescent discharge lamp, comprising:
~~multiple number glass tubes of total tubes is N, which construct multiple glass tubes of different caliber in coaxial structure;~~
a total of N multiple number of glass tubes, each of different caliber and arranged in a coaxial structure within each other;
an isolator ~~[[is]]~~ near ~~[[the]]~~ a middle section of ~~[[the]]~~ an inner second glass tube ~~extends and extending to~~ ~~[[the]]~~ an (N-1)th glass tube;
plural-numbered through-holes ~~[[are]]~~ near both sides of the isolator ~~on the~~ at odd-numbered glass tubes starting from the inner third glass tube to the (N-2)th glass tube, and around ~~[[the]]~~ ends of ~~[[the]]~~ even-numbered glass tubes starting from ~~[[the]]~~ an inner second glass tube to ~~[[the]]~~ an (N-1)th glass tube;
a pair of cathodes ~~[[are]]~~ connected to ~~[[the]]~~ both ends of the ~~innermost innermost~~ first glass tubes ~~[[,]]~~ and placed ~~in both of inside~~ the inner second glass tube ~~[[,]]~~ near ~~the two sides~~ each side of the isolator;

phosphor ~~layer is~~ layers on ~~[[the]]~~ inner and outer surfaces of the glass tubes starting from the inner second glass tube to the (N-1)th glass tube, on the outer surface of the ~~inner-most~~ innermost first glass tube ~~[[,]]~~ and on the inner surface of the Nth glass tube; and both ends of all glass tubes ~~[[are]]~~ being sealed ~~[[,]]~~ to form a succession of interconnected discharge chambers ~~[[,]]~~ provided in the discharge chambers are in a state of vacuum and with Hg and comprising mercury (Hg).

Claim 10-13 (canceled)

Claim 14 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said glass tubes are transparent ~~glass-tube~~ tubes.

Claim 15 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said glass tubes are transparent ~~glass tube~~ tubes of different colors.

Claim 16 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said pair of cathodes, each cathode is fixed on ~~the electrode pair of~~ a stem which includes a pipe and a hole that ~~communicated~~ connects with the pipe.

Claim 17 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said ~~Phosphor layer surface has~~ layers have different color temperatures on each of the inner and outer surfaces of the glass tubes ~~the different layer surface~~.

Claim 18 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said ~~cathode which is~~ pair of cathodes, each is a straight cathode or a ring cathode.

Claim 19 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said ~~cathode is~~ pair of cathodes, each is a cold cathode or a hot cathode.

Claim 20 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9, wherein said ~~[[the]]~~ discharge chambers are filled with argon (Ar) ~~in Ar~~.

Claim 21 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 1,4 or 9 ~~wherein also~~
~~comprise two bases~~ further comprising a base with a pair of terminals on ~~both~~ each end of
the lamp.

Claim 22 (currently amended): The fluorescent lamp ~~[[of]]~~ as in claim 21, wherein said the
pair of terminals are connected to the pair of cathodes ~~electrodes of the cathode~~ respectively.